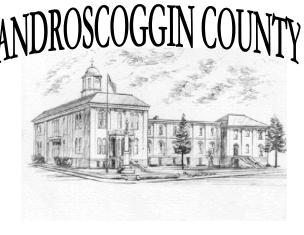
COMMISSIONERS
Beth Bell, Chairperson
Ronald Chicoine, Vice-Chair
Sally Christner, Commissioner
Alfreda Fournier, Commissioner
Randall Greenwood, Commissioner
Elaine Makas, Commissioner

Matthew Roy, Commissioner

January 12, 2016



ADMINISTRATOR Larry Post

Tel. No. (207) 753-2500 Fax No. (207) 782-5367

## REQUEST FOR BIDS

The Androscoggin County Commissioners are soliciting bids for 20- 110 watt mobile radios Motorola APX 6500 for the Sheriff's Patrol vehicles. Please see pages 2-3 for specifications.

All bids must be sealed and addressed to the Androscoggin County Commissioners, 2 Turner Street Unit 2, Auburn, Maine 04210. The envelope must be outlined on the outside "Bid for 20 - 110 watt mobile radios." Bids will be publicly opened on January 28, 2016 at 10:30 a.m. in the First Floor Conference Room.

The Commissioners reserve the right to refuse or reject any and all bids or waive any minor discrepancies or technicalities in the bids of or specifications, when deemed to be in the best interest of the County.

If you have any questions regarding this matter please feel free to call Captain Raymond Lafrance at (207) 753-2561.

Larry Post County Administrator



## Androscoggin County

## 2016 Motorola APX 6500 Project 25 Mobile Radios

All items appearing in the bidder's regular published specifications are assumed to be included in the bidder's proposal. Delivery date must be specified.

**Mobile Radio:** 20 APX 6500 Mobile Radio's with 03 Hand Held Control Head.

**Transmitter Specifications:** VHF 136 – 174 MHz Frequency Range / Bandsplits: 136 – 174 MHz

Channel Spacing: 12.5KHz

Maximum Frequency Separation: Full Bandsplit Rated RF Output Power Adj: 25 – 110 Watts

Frequency Stability: +0.0002%

Modulation Limiting: +5KHz / +52.5KHz

Modulation Fidelity (C4FM) 12.5 KHz Digital Channel: +2.8KHz

Emissions: Conducted -85dBc / Radiated -20dBm

Audio Response: +1, -3dB (FIA) FM Hum & Noise12.5 KHz: -53dB

Audio Distortion: 2%

**Receiver Specifications:** VHF 136 – 174 MHz Frequency Range / Bandsplits: 136 – 174 MHz.

Channel Spacing: 12.5 KHz

Maximum Frequency Separation: Full Bandsplit Audio Output Power at 3% Distortion: 7.5W or 15W++

Frequency Stability: +/0.8PPM

Analog Sensitivity: Pre-Amp -123dBm / Standard -119dBm Digital Sensitivity: Pre-Amp -123dBm / Standard -119dBm Intermodulation: 12.5Khz Pre-Amp 85dB / Standard 86dB

Spurious Rejection: 95dB

Audio Distortion at rated: 1.20% FM Hum & Noise 12.5KHz: 50dB

Selectivity 12.5KHz: 75dB

## **Power:**

Model Type: 136 – 174 MHz

Minimum RF Power Output: 25 -110 Watts Operation: 13.8V DC + 20%Negative Ground Standby at 13.8V: 0.85A (136 – 174 MHz

Receive Current at Rated Audio at 13.8V: 3.2A (134 – 174 MHz)

Transmit Current (A) at Rated Power: 136 – 174 MHz (25 – 110 Watt) 20A (110W)

Mobile Military Standards: MIL-STD 810C, 810D, 810E, 810F, 810G

Antenna: 20 New ASPR 7495 Antennas with cables and connections.

**Installations:** Install 15 Mobile Radios and remove 15 old radios from vehicles.

Mobile radios are to be mounted in the back of the vehicles with the Microphone

controller on the dash.

**Program:** Over 100 frequencies in all new radios.

Options: G806BE ADD: ASTRO DIGITAL CAI OPERATIONS

G72AD ADD: 03 CONTROL HEAD

G400AY ENH: 1 YEAR REPAIR SERVICE ADVANTAGE

G444AE ADD: APX CONTROL HEAD SOFTWARE ADD: SPKD 15W WATER RESISTANT

G48AD EHN: CONVENTIONAL OPERATION APX6500

G387AD ADD: MULITCAST VOTING SCAN

G620AA 03 9FT. EXTENSION CABLE

W12DK ADD: RF PREAMP

Any questions contact Captain Raymond Lafrance (207) 753-2561